



A schematic diagram of a differential pressure sensor assembly. Two vertical tubes are shown. The left tube contains a piston (74) with a downward arrow indicating its movement. The right tube contains a piston (78) and a porous plug (80) below it. Both tubes are connected to a common U-shaped manometer tube (82) at the bottom, which is labeled "Volts".

The graph displays a single trace of voltage over time. The y-axis is labeled 'Voltage (mV)' and ranges from -200 to 200 in increments of 50. The x-axis is labeled 'Time (msec)' and ranges from 0 to 40 in increments of 5. The trace begins at 0 mV at 0 msec, shows a small positive deflection peaking at approximately 25 mV around 10 msec, then a sharp negative deflection reaching a minimum of about -150 mV at 17 msec. This is followed by a sharp positive deflection peaking at approximately 180 mV at 21 msec, and finally a small negative deflection before returning to the baseline of 0 mV by 35 msec.

Fig. 12